

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer implemented method, in a data processing system, for controlling execution of applications, the computer implemented method comprising:

setting a policy for an application, wherein the policy indicates how to control execution of the application while the data processing system is using a limited resource, wherein the limited resource is battery power, and wherein the policy comprises rules that indicate whether to execute the application, terminate the application, delay execution of the application, or suspend execution of the application until a specified element of the data processing system is non-idle;

responsive to initialization of the application while the data processing system is using the limited resource, ~~controlling when to execute the application as determined by the policy~~ determining whether the application belongs to a list of permitted applications; [[and]]

responsive to determining that the application belongs to the list of permitted applications, permitting execution of the application;

responsive to determining that the application does not belong to the list of permitted applications, determining whether the application belongs to a list of banned applications;

responsive to determining that the application does not belong to the list of banned applications, prompting a user for a policy decision; and

responsive to execution of the application while the data processing system is using the limited resource, controlling access of the application to the specific elements of the data processing system that affect the limited resource.

2.-5. (Canceled)

6. (Currently Amended) The method of claim 1, wherein controlling access of the application to the specific elements of the data processing system ~~includes stalling access to a specified element of the data processing system by the application until the specified element is non-idle~~ comprises:

determining whether the execution of the application is restricted;

responsive to determining that the execution of the application is not restricted, permitting normal execution of the application;

responsive to determining that the execution of the application is restricted, determining whether to delay execution of the application until the specific element of the data processing system is available;

responsive to determining that the application has access to the specific element, determining whether the access exceeds an access rate for the resource; and

responsive to determining that the access rate is exceeded, determining whether an allocation is provided for the application as indicated by the policy.

7.-8. (Canceled)

9. (Currently Amended) The method of claim 1, wherein setting a policy for an application further comprises:

examining a resource usage of the application on the data processing system;

adding the application to the list of permitted applications if the application is to be always permitted;

adding the application to the list of banned applications if the application is to be always denied;
and

building a profile of resource consumption for the application, wherein the profile is included in the policy.

10.-11 (Canceled)

12. (Currently Amended) A method, in a data processing system, for controlling execution of applications, the method of comprising:

responsive to moving to battery power, identifying at least one application and determining whether the at least one application belongs to a list of permitted applications;

responsive to determining that the at least one application does not belong to the list of permitted applications, determining whether to terminate or suspend the at least one application; and

responsive to a determination to terminate the at least one application, terminating the at least one application.

13. (Canceled)

14. (Original) The method of claim 12, further comprising:

responsive to a determination to suspend the application, suspending the at least one application.

15. (Currently Amended) The method of claim ~~[[14]]~~¹², further comprising:
determining whether to register the at least one application to restart when the data processing system is no longer using the limited resource;
responsive to a determination to register the at least one application, registering the at least one application to restart when the data processing system is no longer using ~~battery power~~ the limited resource.
16. (Currently Amended) An apparatus, in a data processing system, for controlling execution of applications, the apparatus comprising:
means for setting a policy for an application, wherein the policy indicates how to control execution of the application while the data processing system is using a limited resource, wherein the limited resource is battery power, and wherein the policy comprises rules that indicate whether to execute the application, terminate the application, delay execution of the application, or suspend execution of the application until a specified element of the data processing system are non-idle;
means, responsive to initialization of the application while the data processing system is using the limited resource, for ~~controlling when to execute the application as determined by the policy~~ determining whether the application belongs to a list of permitted applications; [[and]]
means, responsive to determining that the application belongs to the list of permitted applications, for permitting execution of the application;
means, responsive to determining that the application does not belong to the list of permitted applications, for determining whether the application belongs to a list of banned applications;
means, responsive to determining that the application does not belong to the list of banned applications, for prompting a user for a policy decision; and
means, responsive to execution of the application while the data processing system is using the limited resource, for controlling access of the application to the specific elements of the data processing system that affect the limited resource.
17. (Currently Amended) A computer program product, in a computer readable medium, for controlling execution of applications in a data processing system, the computer program product comprising:
instructions for setting a policy for an application, wherein the policy indicates how to control execution of the application while the data processing system is using a limited resource, wherein the limited resource is battery power, and wherein the policy comprises rules that indicate whether to execute

the application, terminate the application, delay execution of the application, or suspend execution of the application until a specified element of the data processing system are non-idle;

instructions, responsive to initialization of the application while the data processing system is using the limited resource, for ~~controlling when to execute the application as determined by the policy~~ determining whether the application belongs to a list of permitted applications; and
means, responsive to determining that the application belongs to the list of permitted applications, for permitting execution of the application;

instructions, responsive to determining that the application does not belong to the list of permitted applications, for determining whether the application belongs to a list of banned applications;

instructions, responsive to determining that the application does not belong to the list of banned applications, for prompting a user for a policy decision; and

instructions, responsive to execution of the application while the data processing system is using the limited resource, for controlling access of the application to the specific elements of the data processing system that affect the limited resource.

18.-20. (Canceled)

21. (Currently Amended) The computer program product of claim 17, wherein the instructions for controlling when to execute the application ~~includes instructions for selectively suspending, terminating, or deferring invocation of the application until a specified element of the data processing system is non-idle,~~ comprises:

instructions for determining whether the execution of the application is restricted;

instructions, responsive to determining that the execution of the application is not restricted, for permitting normal execution of the application;

instructions, responsive to determining that the execution of the application is restricted, for determining whether to delay execution of the application until the specific element of the data processing system is available;

instructions, responsive to determining that the application has access to the specific element, for determining whether the access exceeds an access rate for the resource; and

instructions, responsive to determining that the access rate is exceeded, for determining whether an allocation is provided for the application as indicated by the policy.

22. (Canceled)

23. (Original) The computer program product of claim 17, wherein the instructions for controlling access of the application to specific elements of the data processing system includes instructions for suspending execution of the application until a specified element of the data processing system is non-idle.

24. (Canceled)